Abstract of the Disclosure

Disclosed is a method and apparatus of a code read only memory (ROM) data capable of protecting code ROM data is easily read and plagiarized in field in case of testing a code ROM built-in a microcontrol unit (MCU). The apparatus for protecting data outputted from a code ROM has: a first encryptor for encrypting data outputted from the code ROM; a second encryptor for generating a read enable signal through an encryption process; and an output unit for dumping out the encrypted data outputted from the first encryptor in response to the read enable signal outputted from the second encryptor.